

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
 Data File : BG039656.D
 Acq On : 28 Feb 2019 5:51
 Operator : JU/SJ
 Sample : K1608-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-022619-D

Quant Time: Feb 28 07:15:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

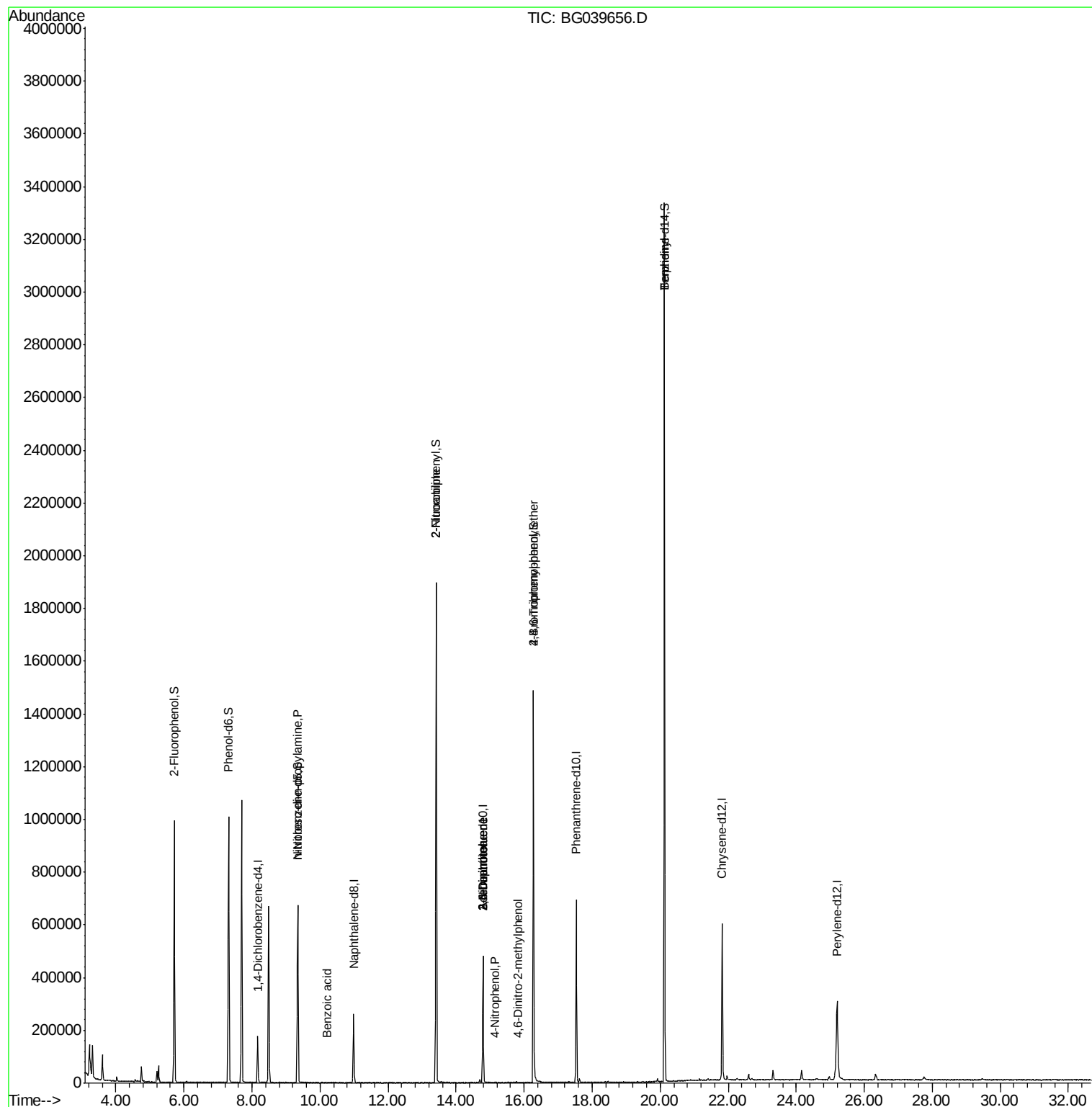
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	50484	20.00	ng	-0.02
21) Naphthalene-d8	10.99	136	229391	20.00	ng	-0.02
39) Acenaphthene-d10	14.79	164	169237	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	425958	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	380181	20.00	ng	-0.03
87) Perylene-d12	25.20	264	374064	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	425952	144.41	ng	0.00
7) Phenol-d6	7.31	99	583601	134.41	ng	0.00
23) Nitrobenzene-d5	9.34	82	407059	110.86	ng	-0.02
42) 2,4,6-Tribromophenol	16.28	330	263077	144.36	ng	-0.01
45) 2-Fluorobiphenyl	13.42	172	1039839	88.14	ng	-0.02
79) Terphenyl-d14	20.12	244	1585945	88.30	ng	-0.03
Target Compounds						
9) Benzaldehyde	7.31	77	1249	Below Cal		Qvalue # 4
19) n-Nitroso-di-n-propylamine	9.34	70	54565	17.706	ng	# 67
32) Benzoic acid	10.21	122	67	9.046	ng	# 1
48) 2-Nitroaniline	13.41	65	1549	8.717	ng	# 1
51) 2,6-Dinitrotoluene	14.79	165	22087	14.024	ng	# 24
53) 3-Nitroaniline	14.78	138	64	5.813	ng	# 1
56) 4-Nitrophenol	15.14	139	61	5.817	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	22087	13.475	ng	# 19
65) 4,6-Dinitro-2-methylphenol	15.81	198	69	4.222	ng	# 32
67) 4-Bromophenyl-phenylether	16.28	248	20490	4.336	ng	# 1
77) Benzidine	20.12	184	28185	2.261	ng	# 92

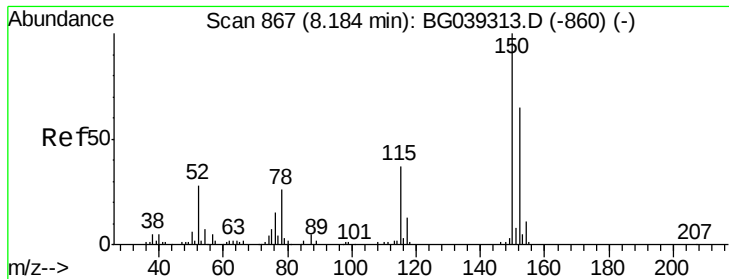
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG022719\
Data File : BG039656.D
Acq On : 28 Feb 2019 5:51
Operator : JU/SJ
Sample : K1608-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PL-02-022619-D

Quant Time: Feb 28 07:15:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 29 15:41:51 2019
Response via : Initial Calibration



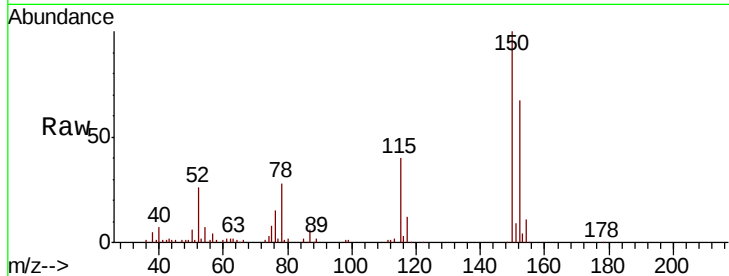


#1

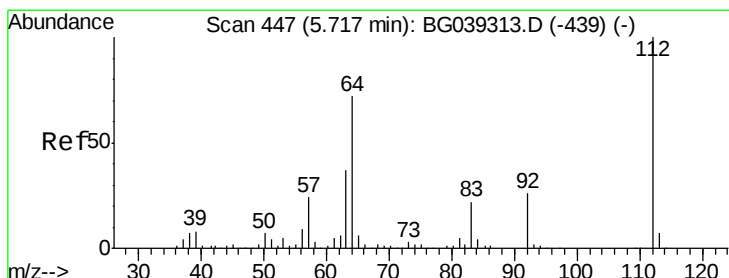
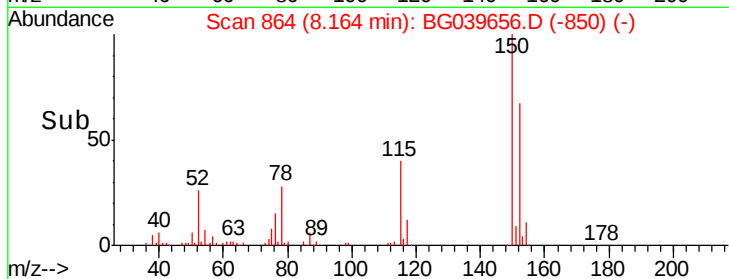
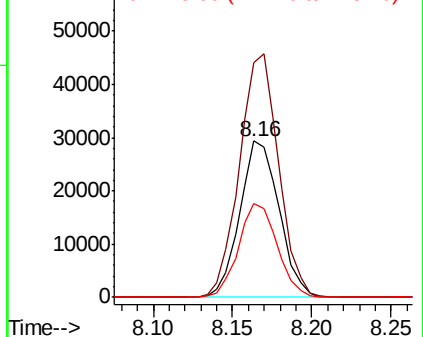
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039656.D
Acq: 28 Feb 2019 5:51

Instrument :
BNA_G
ClientSampleId :
PL-02-022619-D

Tgt Ion:152 Resp: 50484
Ion Ratio Lower Upper
152 100
150 149.9 123.7 185.5
115 59.8 45.9 68.9



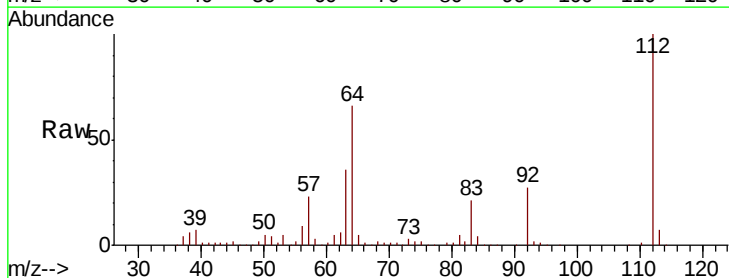
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



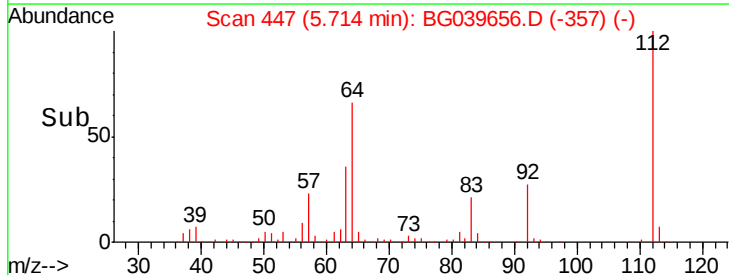
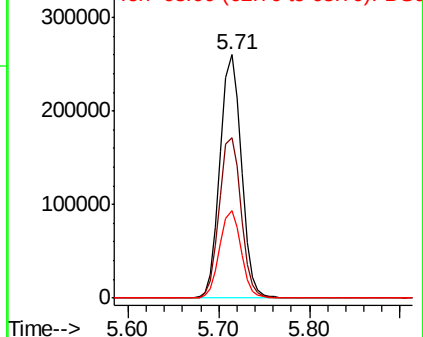
#5

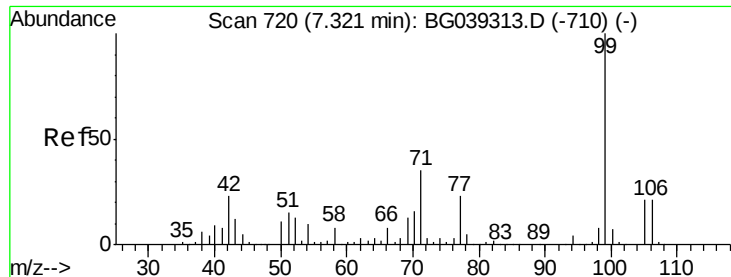
2-Fluorophenol
Concen: 144.406 ng
RT: 5.71 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039656.D
Acq: 28 Feb 2019 5:51

Tgt Ion:112 Resp: 425952
Ion Ratio Lower Upper
112 100
64 65.8 57.8 86.8
63 36.1 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 134.413 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039656.D

Acq: 28 Feb 2019 5:51

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-D

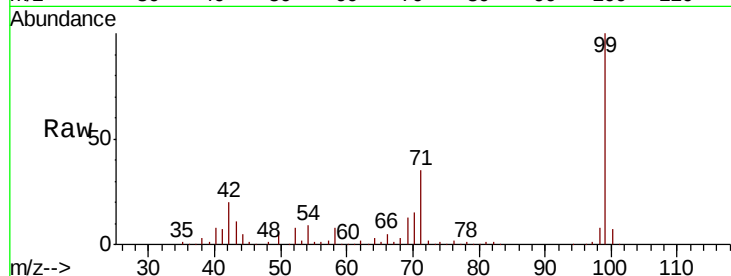
Tgt Ion: 99 Resp: 583601

Ion Ratio Lower Upper

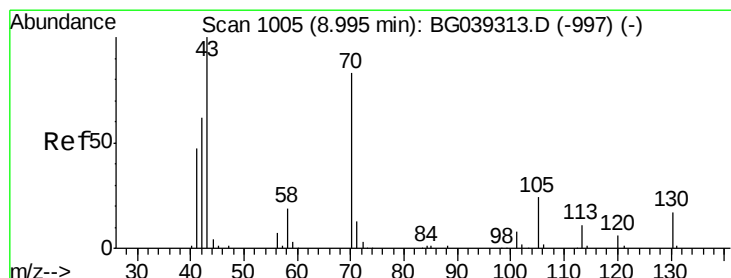
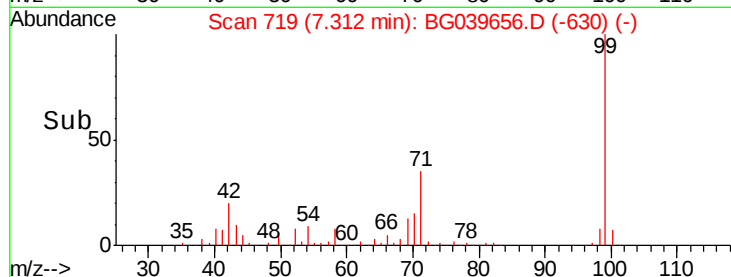
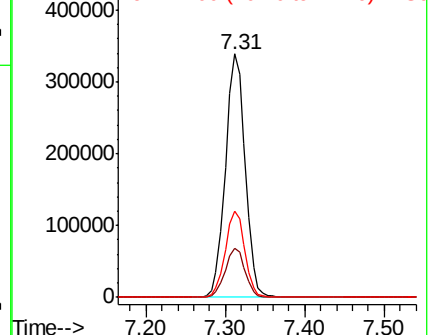
99 100

42 20.2 18.2 27.2

71 35.2 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 17.706 ng

RT: 9.34 min Scan# 1065

Delta R.T. 0.35 min

Lab File: BG039656.D

Acq: 28 Feb 2019 5:51

Tgt Ion: 70 Resp: 54565

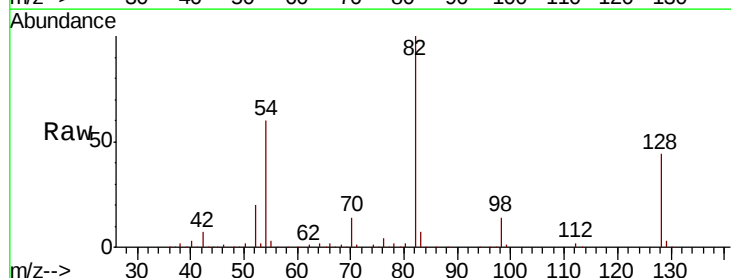
Ion Ratio Lower Upper

70 100

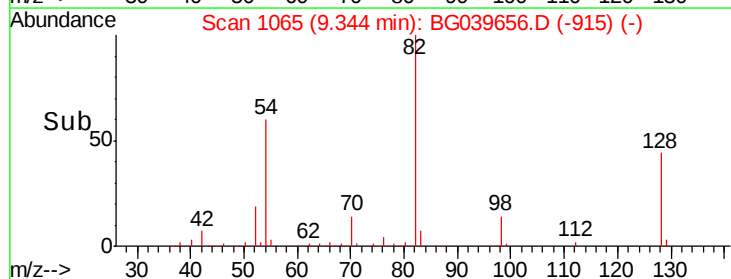
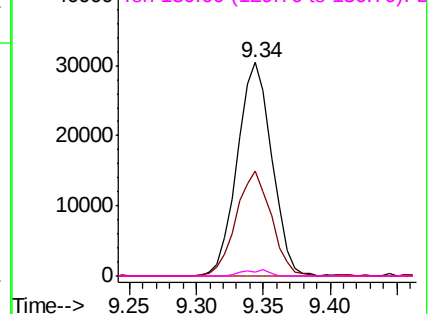
42 49.1 60.4 90.6#

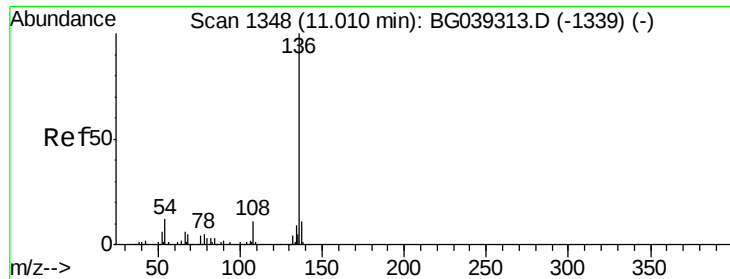
101 0.0 7.5 11.3#

130 1.7 16.9 25.3#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

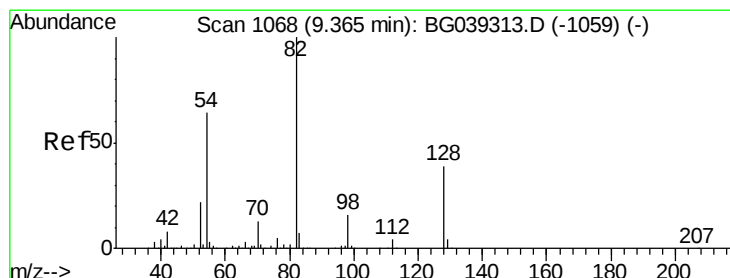
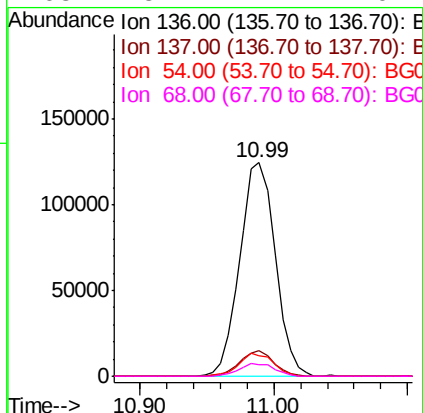
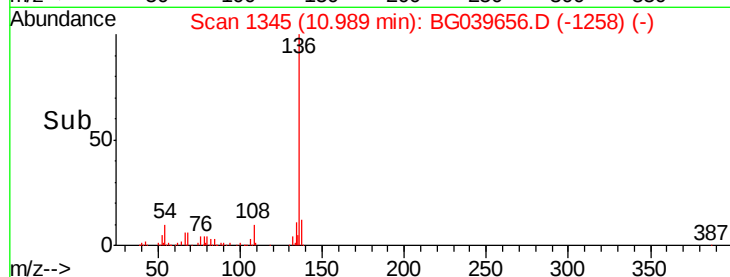
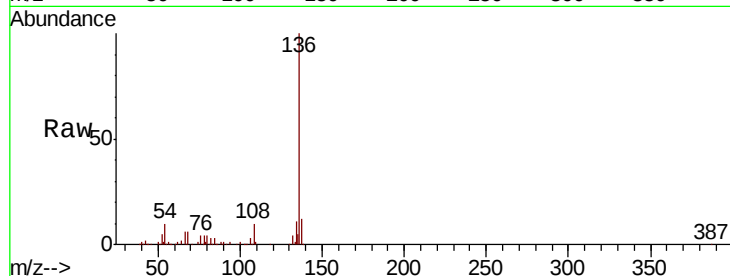




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1345
Delta R.T. -0.02 min
Lab File: BG039656.D
Acq: 28 Feb 2019 5:51

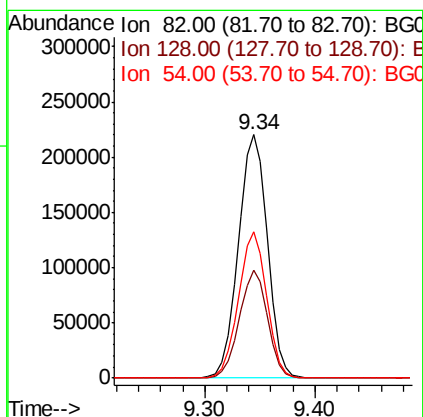
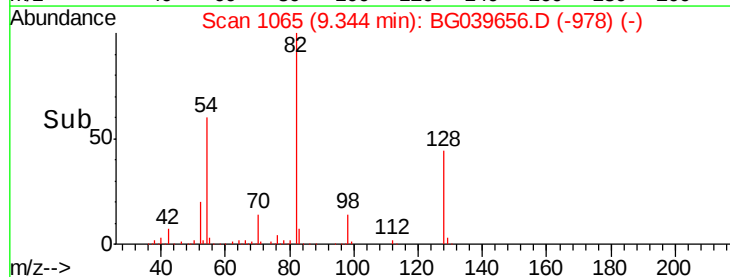
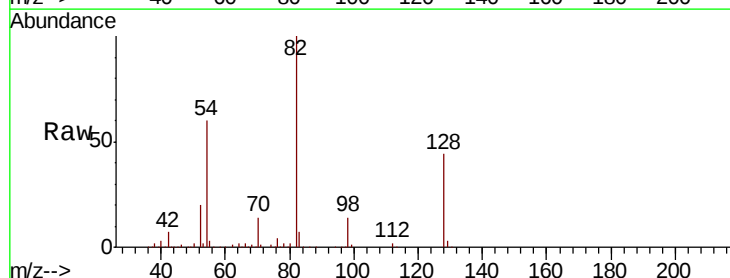
Instrument :
BNA_G
ClientSampleId :
PL-02-022619-D

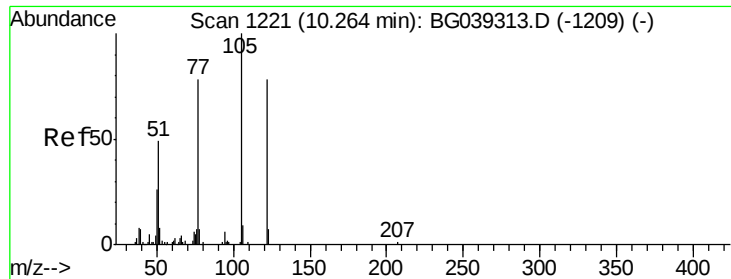
Tgt Ion:	136	Resp:	229391
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.1	13.7
54	9.6	9.4	14.2
68	5.7	4.2	6.4



#23
Nitrobenzene-d5
Concen: 110.857 ng
RT: 9.34 min Scan# 1065
Delta R.T. -0.02 min
Lab File: BG039656.D
Acq: 28 Feb 2019 5:51

Tgt Ion:	82	Resp:	407059
Ion	Ratio	Lower	Upper
82	100		
128	44.4	31.3	46.9
54	60.3	50.9	76.3





#32

Benzoic acid

Concen: 9.046 ng

RT: 10.21 min Scan# 1213

Delta R.T. -0.05 min

Lab File: BG039656.D

Acq: 28 Feb 2019 5:51

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-D

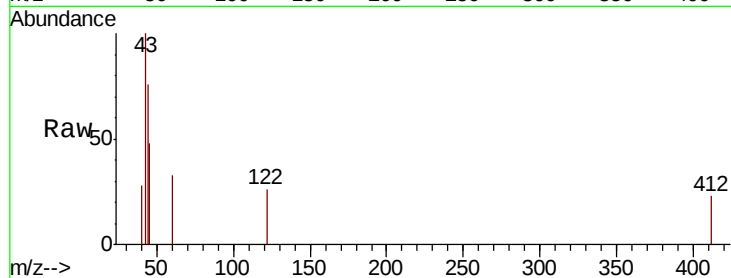
Tgt Ion:122 Resp: 67

Ion Ratio Lower Upper

122 100

105 0.0 101.8 141.8#

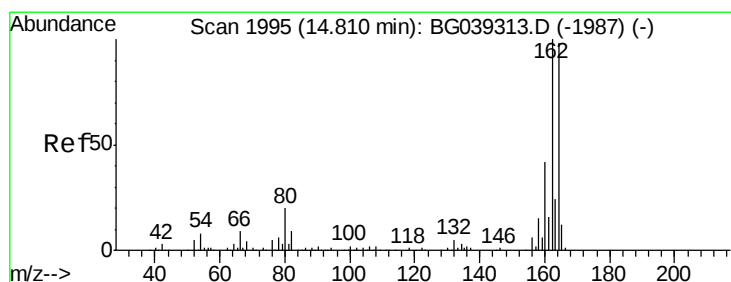
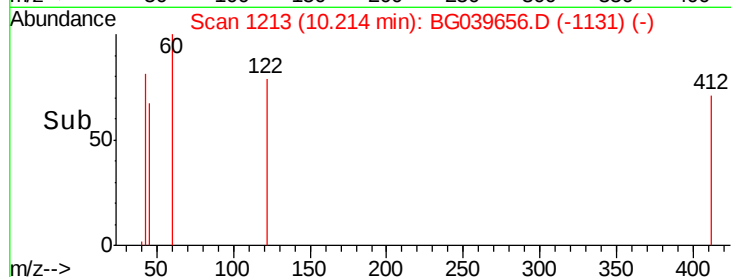
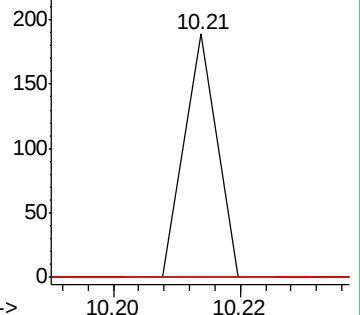
77 0.0 76.3 116.3#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BG039656.D

Acq: 28 Feb 2019 5:51

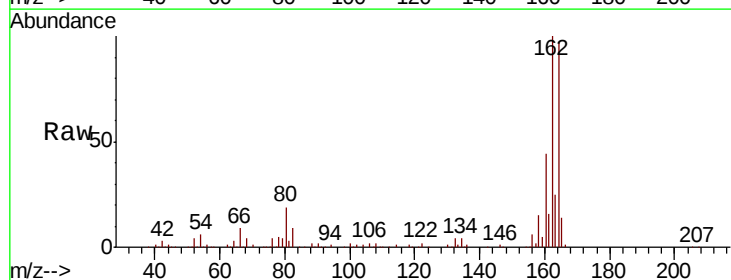
Tgt Ion:164 Resp: 169237

Ion Ratio Lower Upper

164 100

162 102.7 81.6 122.4

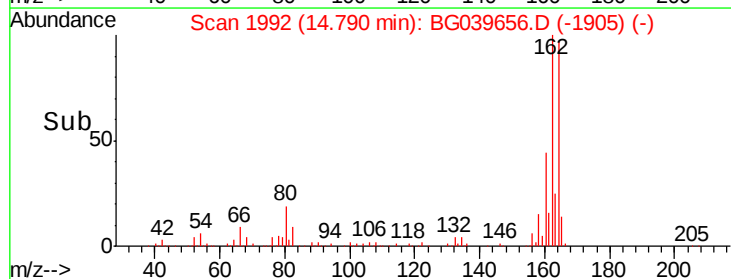
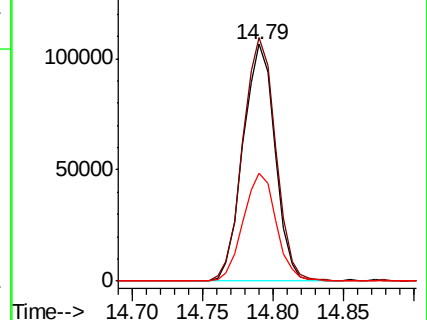
160 45.5 34.2 51.2

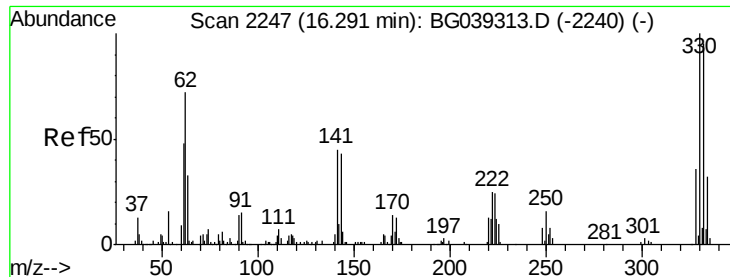


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

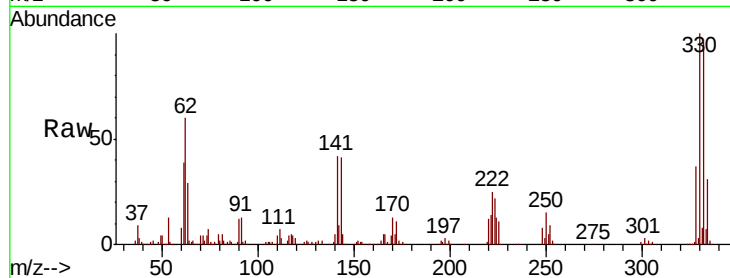




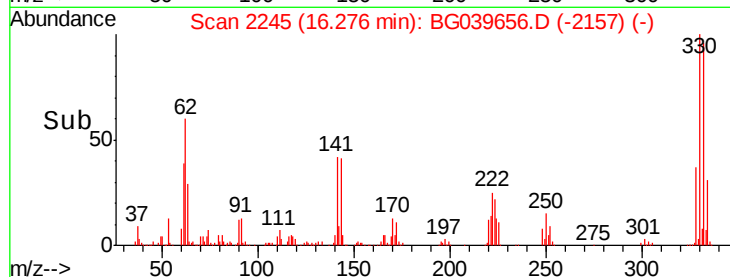
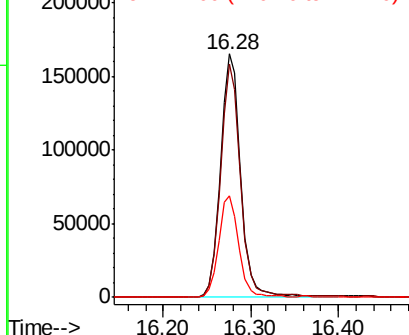
#42
 2,4,6-Tribromophenol
 Concen: 144.358 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039656.D
 Acq: 28 Feb 2019 5:51

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-022619-D

Tgt Ion:330 Resp: 263077
 Ion Ratio Lower Upper
 330 100
 332 95.6 75.7 113.5
 141 41.4 35.6 53.4

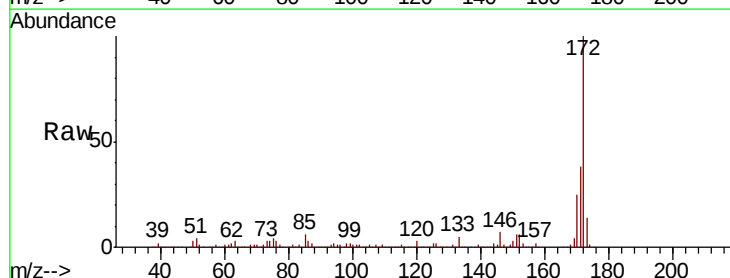


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

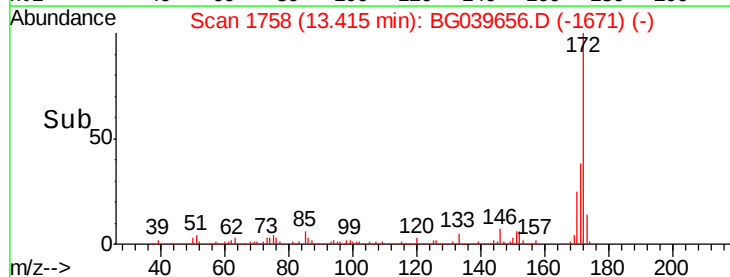
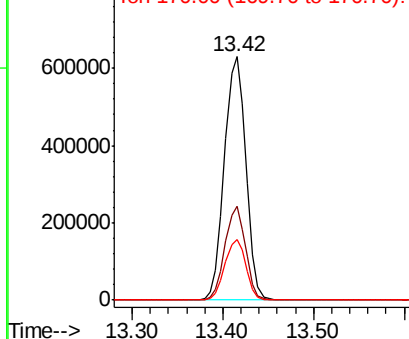


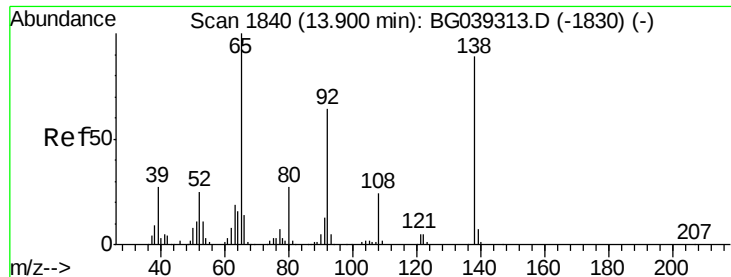
#45
 2-Fluorobiphenyl
 Concen: 88.143 ng
 RT: 13.42 min Scan# 1758
 Delta R.T. -0.02 min
 Lab File: BG039656.D
 Acq: 28 Feb 2019 5:51

Tgt Ion:172 Resp: 1039839
 Ion Ratio Lower Upper
 172 100
 171 38.4 30.8 46.2
 170 25.0 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 8.717 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.49 min

Lab File: BG039656.D

Acq: 28 Feb 2019 5:51

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-D

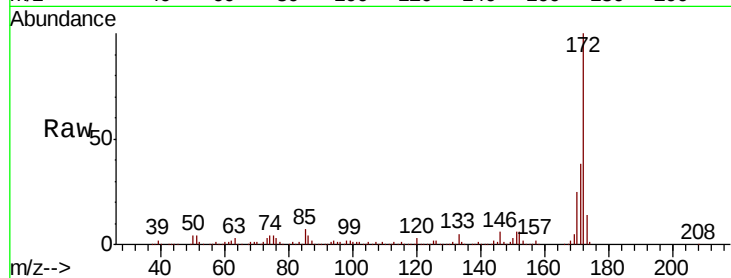
Tgt Ion: 65 Resp: 1549

Ion Ratio Lower Upper

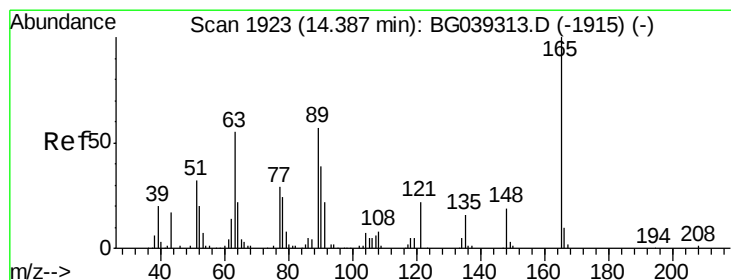
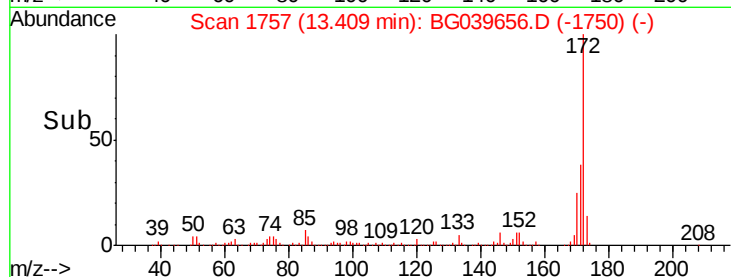
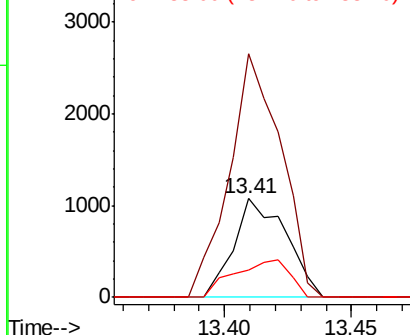
65 100

92 247.3 51.4 77.2#

138 28.2 71.4 107.2#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#51

2,6-Dinitrotoluene

Concen: 14.024 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039656.D

Acq: 28 Feb 2019 5:51

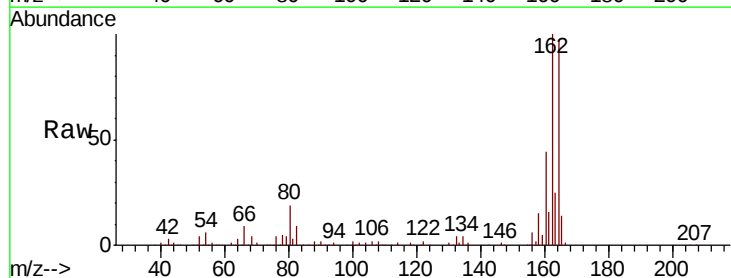
Tgt Ion: 165 Resp: 22087

Ion Ratio Lower Upper

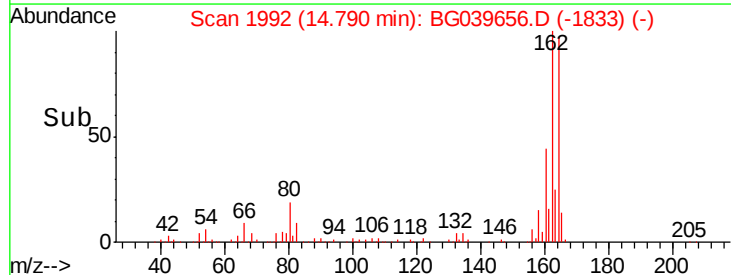
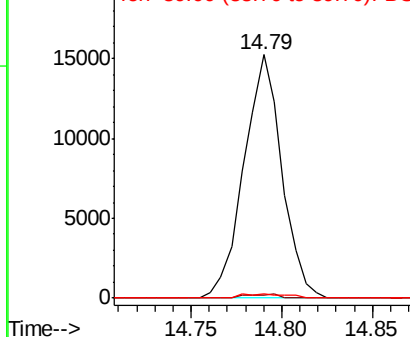
165 100

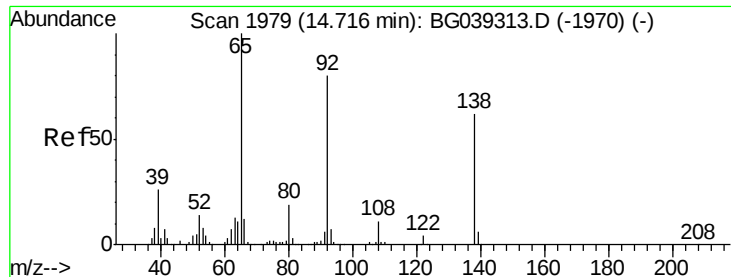
63 1.1 47.0 70.6#

89 2.0 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC





#53

3-Nitroaniline

Concen: 5.813 ng

RT: 14.78 min Scan# 1991

Delta R.T. 0.07 min

Lab File: BG039656.D

Acq: 28 Feb 2019 5:51

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-D

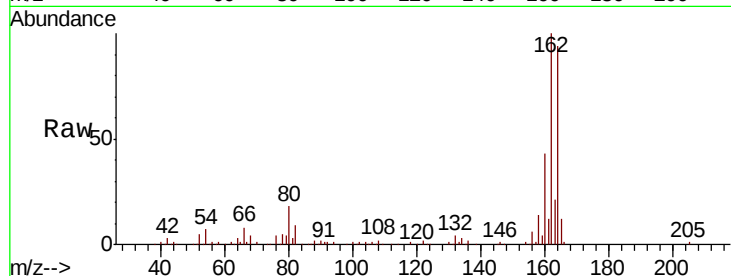
Tgt Ion:138 Resp: 64

Ion Ratio Lower Upper

138 100

108 1017.0 13.8 20.8#

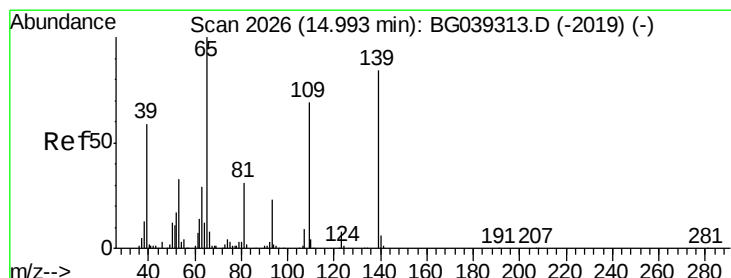
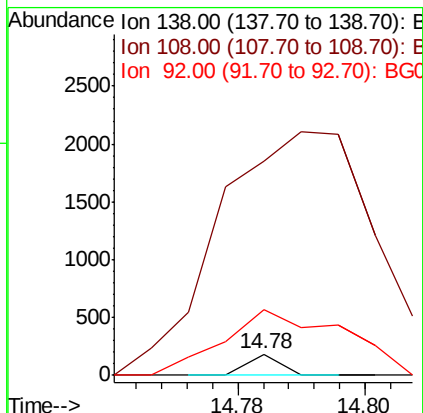
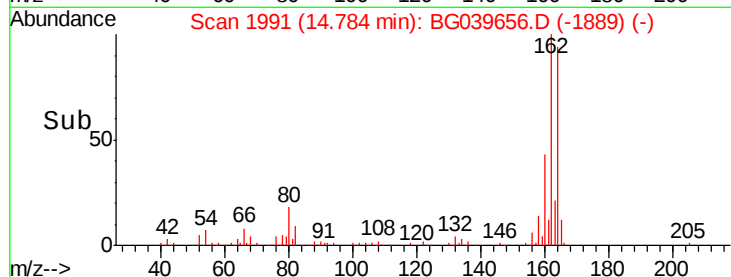
92 312.6 103.7 155.5#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#56

4-Nitrophenol

Concen: 5.817 ng

RT: 15.14 min Scan# 2051

Delta R.T. 0.14 min

Lab File: BG039656.D

Acq: 28 Feb 2019 5:51

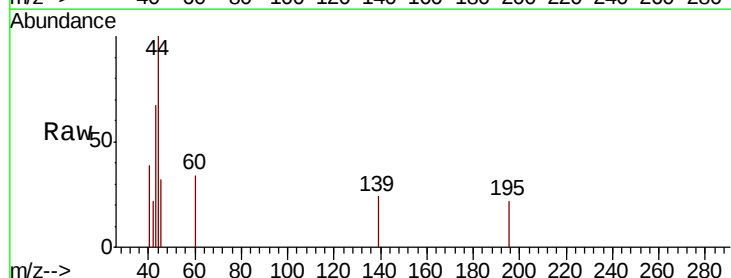
Tgt Ion:139 Resp: 61

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

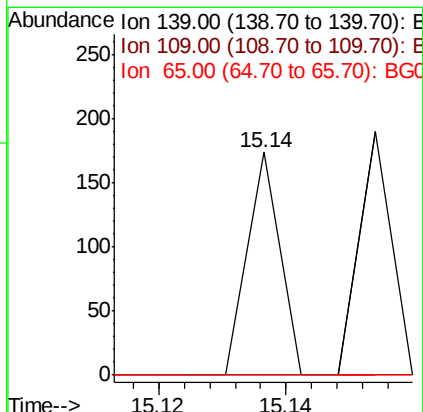
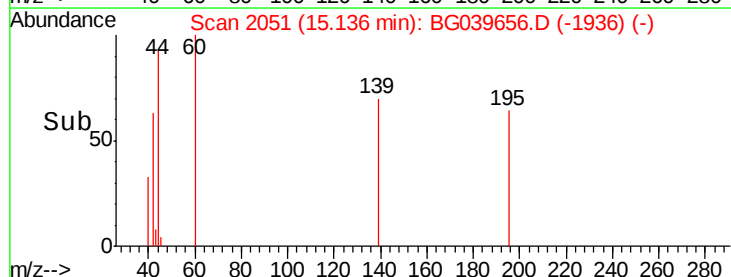
65 0.0 99.1 139.1#

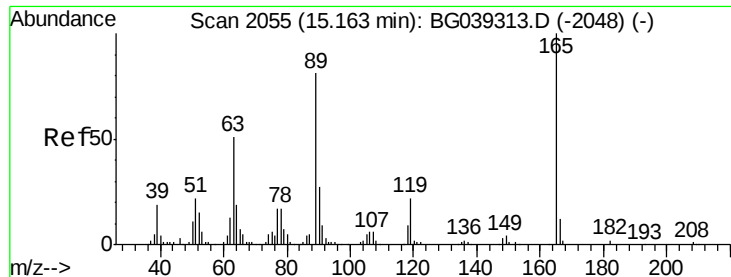


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#57

2,4-Dinitrotoluene

Concen: 13.475 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039656.D

Acq: 28 Feb 2019 5:51

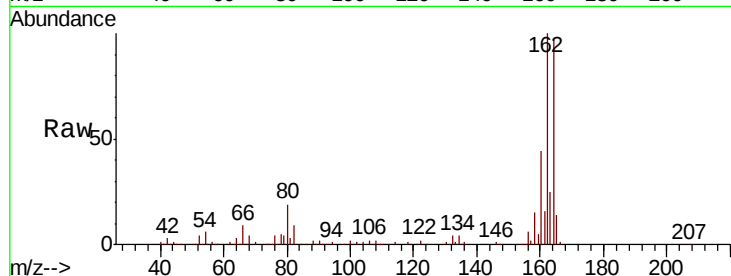
Instrument :

BNA_G

ClientSampleId :

PL-02-022619-D

Tgt Ion:	165	Resp:	22087
Ion	Ratio	Lower	Upper
165	100		
63	1.1	41.0	61.6#
89	2.0	64.6	96.8#
182	0.0	2.0	3.0#

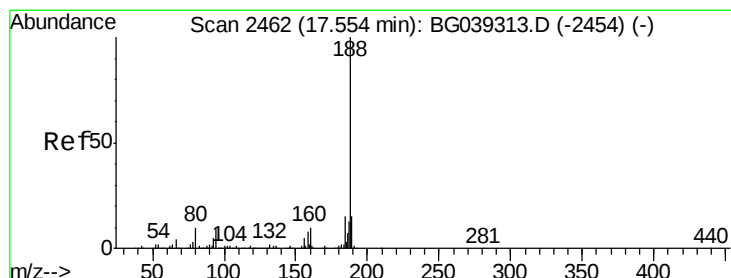
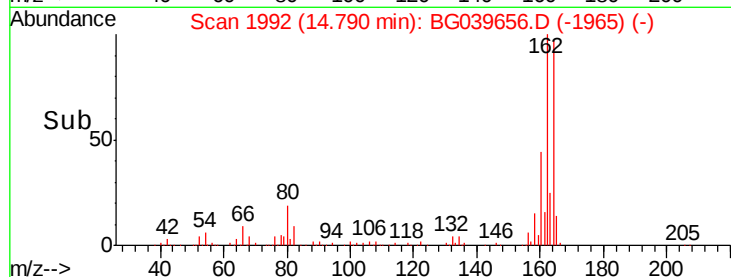
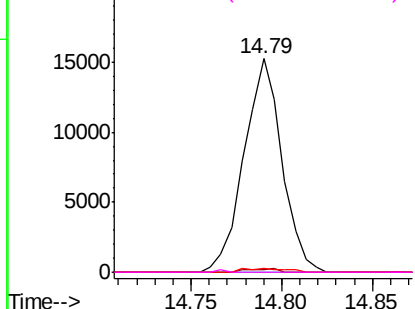


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

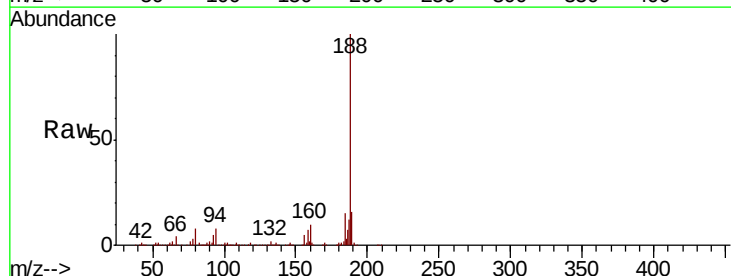
RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039656.D

Acq: 28 Feb 2019 5:51

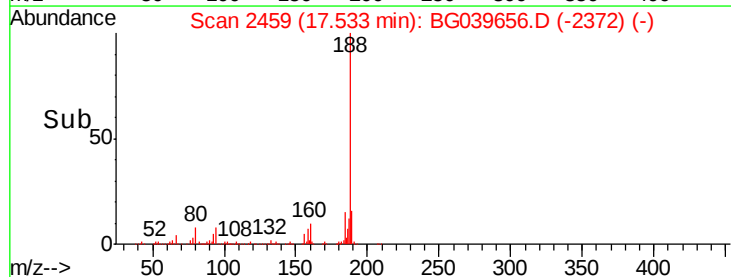
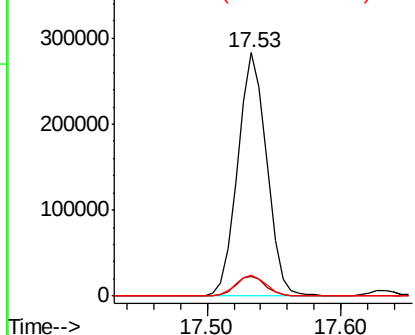
Tgt Ion:	188	Resp:	425958
Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.9	10.3
80	8.5	8.1	12.1

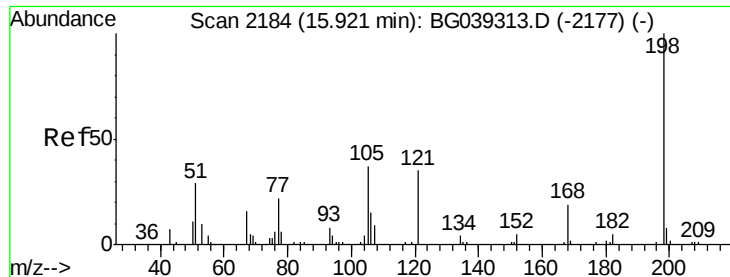


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

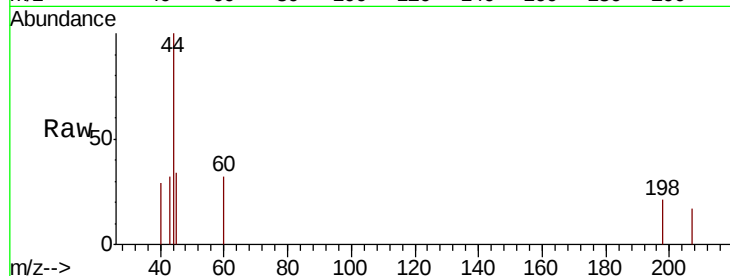




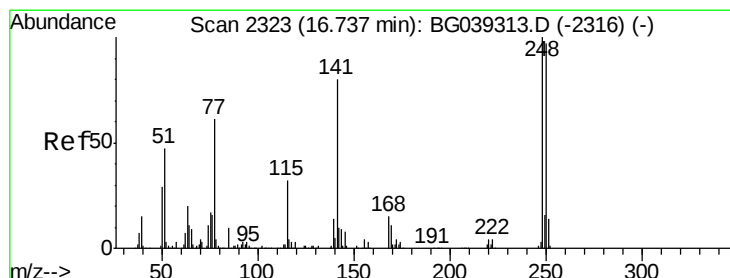
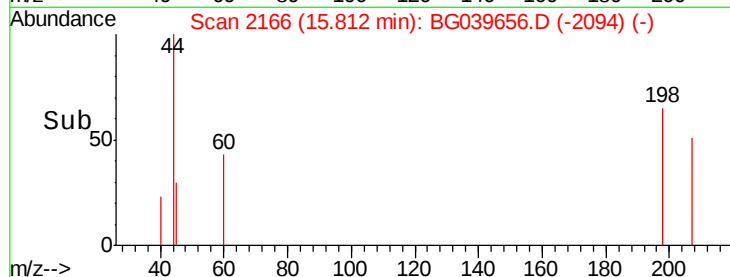
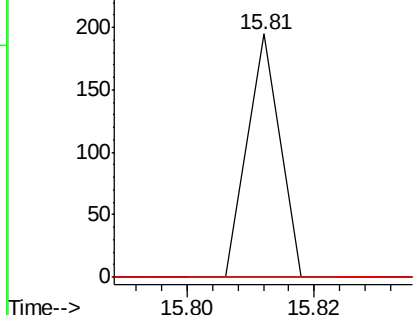
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.222 ng
 RT: 15.81 min Scan# 2166
 Delta R.T. -0.11 min
 Lab File: BG039656.D
 Acq: 28 Feb 2019 5:51

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-022619-D

Tgt Ion:198 Resp: 69
 Ion Ratio Lower Upper
 198 100
 51 0.0 27.4 67.4#
 105 0.0 19.7 59.7#

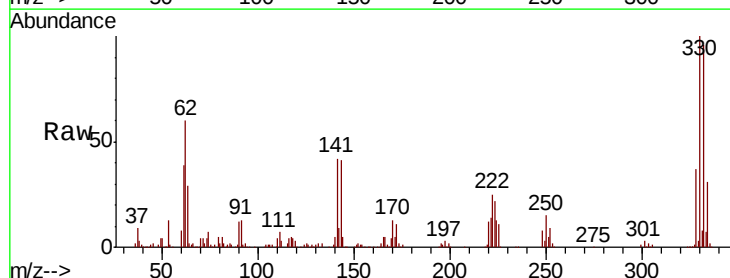


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

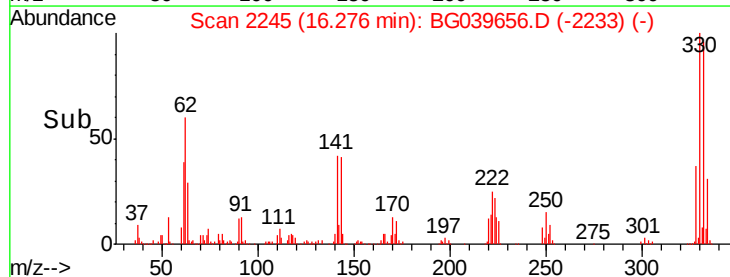
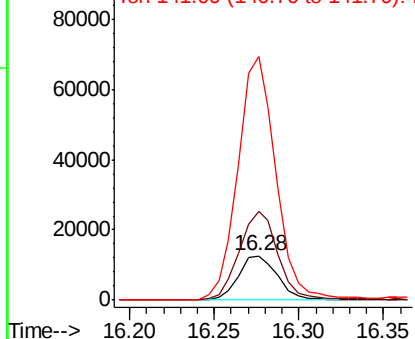


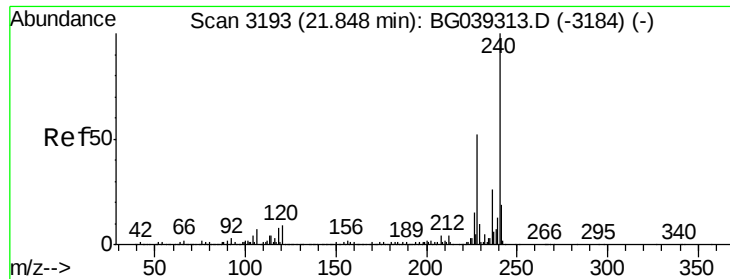
#67
 4-Bromophenyl-phenylether
 Concen: 4.336 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.46 min
 Lab File: BG039656.D
 Acq: 28 Feb 2019 5:51

Tgt Ion:248 Resp: 20490
 Ion Ratio Lower Upper
 248 100
 250 201.6 77.6 116.4#
 141 550.2 63.9 95.9#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

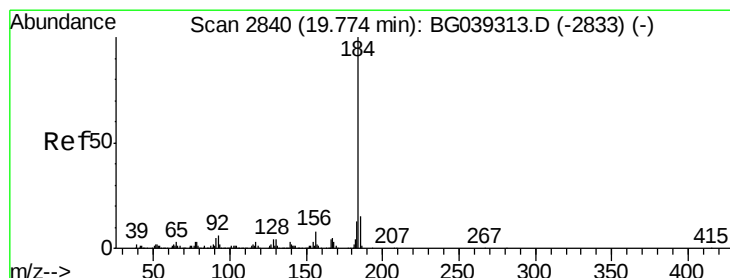
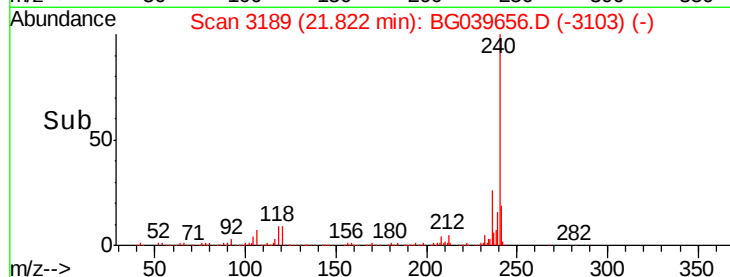
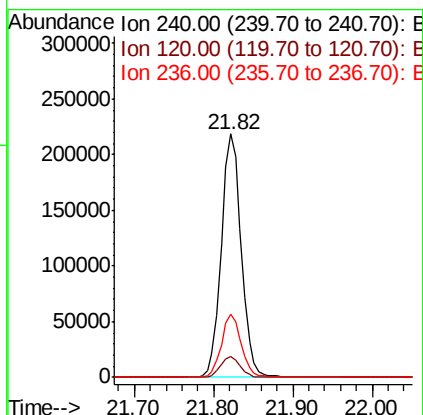
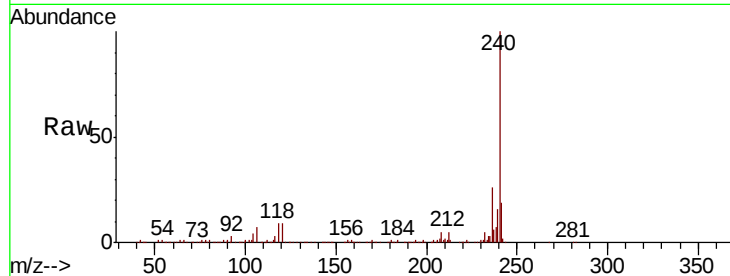




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.03 min
Lab File: BG039656.D
Acq: 28 Feb 2019 5:51

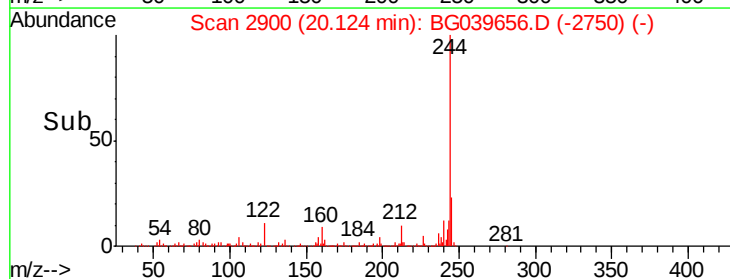
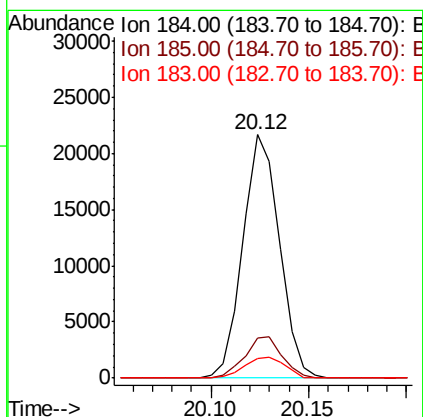
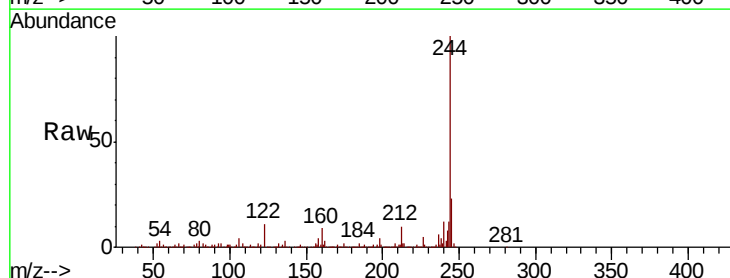
Instrument :
BNA_G
ClientSampleId :
PL-02-022619-D

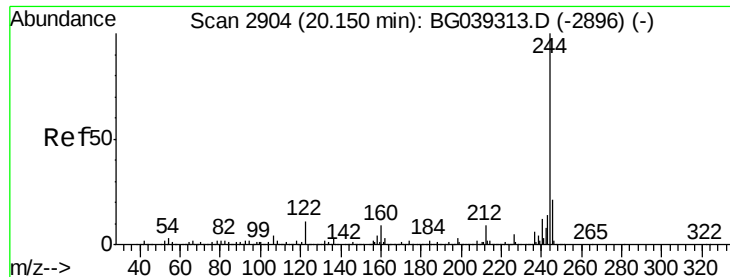
Tgt Ion:240 Resp: 380181
Ion Ratio Lower Upper
240 100
120 8.7 7.0 10.6
236 26.1 21.0 31.4



#77
Benzidine
Concen: 2.261 ng
RT: 20.12 min Scan# 2900
Delta R.T. 0.35 min
Lab File: BG039656.D
Acq: 28 Feb 2019 5:51

Tgt Ion:184 Resp: 28185
Ion Ratio Lower Upper
184 100
185 16.7 12.2 18.2
183 7.9 10.6 15.8#





#79

Terphenyl-d14

Concen: 88.299 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.03 min

Lab File: BG039656.D

Acq: 28 Feb 2019 5:51

Instrument :

BNA_G

ClientSampleId :

PL-02-022619-D

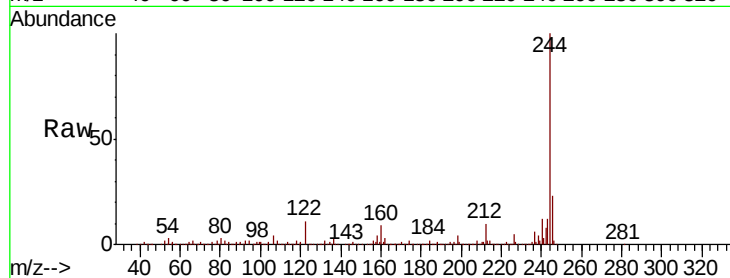
Tgt Ion:244 Resp: 1585945

Ion Ratio Lower Upper

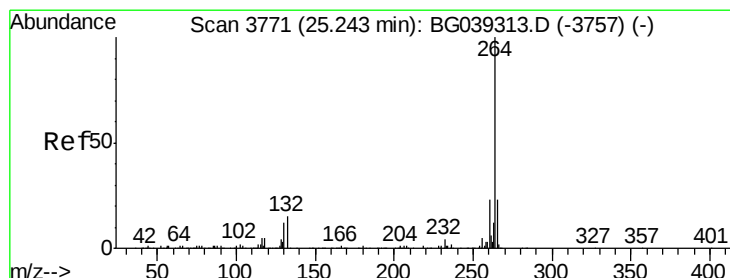
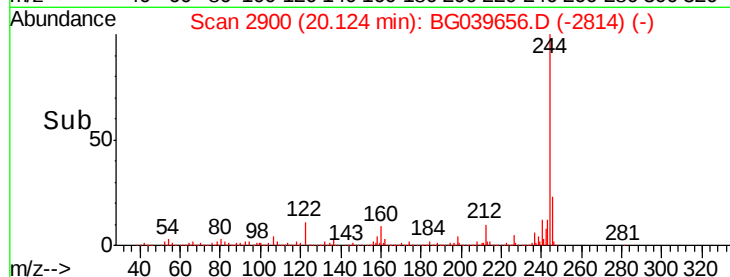
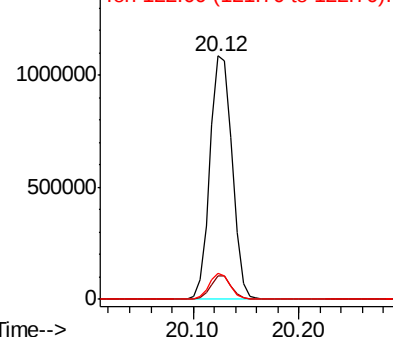
244 100

212 9.7 7.3 10.9

122 10.7 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.20 min Scan# 3764

Delta R.T. -0.04 min

Lab File: BG039656.D

Acq: 28 Feb 2019 5:51

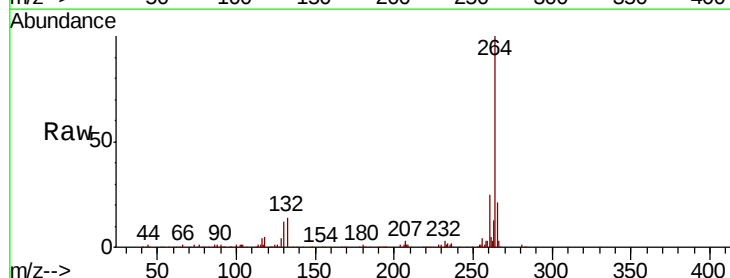
Tgt Ion:264 Resp: 374064

Ion Ratio Lower Upper

264 100

260 24.8 18.2 27.4

265 20.7 18.5 27.7



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

